

Standards Actions September 2003

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DOE Technical Standards Program Document Status

08-29-2003

Activity Summary

In Conversion – 4

In Preparation – 52

Out for Comment – 36

Published this Month – 0



5-year Review Status

Revision in Progress – 11

Reaffirmation in Progress – 9

Cancellation Pending – 19

Cancellation in Progress – 4

No Current Action – 0

STANDARDS ACTIONS



DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will request specific reviewers to comment on these drafts. The full text of the documents is available on the TSP Web site. If you wish to comment on these documents, please notify your TSM.

- *Criticality Safety Functional Area Qualification Standard*, Project Number TRNG-0035, contact: Jerry McKamy, EH-21; phone 301-903-8031; fax 301-903-4120; e-mail Jerry.McKamy@eh.doe.gov. Comments are due October 10, 2003.
- *Computer Software Functional Area Qualification Standard*, Project Number TRNG-0040, contact: M. Norman Schwartz, EH-22; phone 301-903-2996; fax 301-903-6172; e-mail Norm.Schwartz@eh.doe.gov. Comments are due September 24, 2003.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Recent electronic copies (no hardcopies are produced) are available on the ANSI Web site at http://web.ansi.org/rooms/room_14/. Electronic back copies are available to ANSI members only. For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, contact Susan Bose at 212-642-4948 or sbose@ansi.org.

Hardcopy versions of published non-Government standards listed in this section may be obtained from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado, 80112; phone 800-854-7179; fax 303-397-2740, global@ihs.com, <http://global.ihs.com>. Electronic delivery of selected documents is available through ANSI at <http://webstore.ansi.org>. Copies of the listed draft standards and the procedure for commenting on them may be obtained by contacting the standards developing organization.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a more extensive listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information on ANSI activities and available non-Government standards can be found on the ANSI Web site, <http://www.ansi.org>, or through the National Standards System Network, <http://www.nssn.org>.

The following American National Standards are currently in coordination (comment due dates follow each entry):

- ASME BPVC Revision-200x, *ASME Boiler and Pressure Vessel Code, Section XII* (revision of ANSI/ASME BPVC Revision: 2001 Edition) – September 30, 2003.
- ASME PTC 6.2-200x, *Steam Turbines in Combined Cycles* (new standard) – October 21, 2003.

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- AWS D1.1/D1.1M-200x, *Structural Welding Code – Steel* (revision of ANSI/AWS D1.1/D1.1M-2001) – October 14, 2003.
 - GPTC Z380.1-200x, *GPTC Guide for Gas Transmission and Distribution Piping Systems, 2003* (revision of ANSI/GPTC Z380.1-1998) – October 6, 2003.
 - NFPA 12A-200x, *Halon 1301 Fire Extinguishing Systems* (revision of ANSI/NFPA 12A-1997) – October 21, 2003.
 - NFPA 36-200x, *Solvent Extraction Plants* (revision of ANSI/NFPA 36-2001) – October 21, 2003.
 - NFPA 70E-200x, *Standard for Electrical Safety Requirements for Employee Workplaces* (revision of ANSI/NFPA 70E-2000) – October 21, 2003.
 - NFPA 82-200x, *Incinerators and Waste and Linen Handling Systems and Equipment* (revision of ANSI/NFPA 82-1999) – October 21, 2003.
 - NFPA 85-200x, *Boiler and Combustion Systems Hazards Code* (revision of ANSI/NFPA 85-2001) – October 21, 2003.
 - NFPA 101A-200x, *Guide on Alternative Approaches to Life Safety* (revision of ANSI/NFPA 101A-2001) – October 21, 2003.
 - NFPA 497-200x, *Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas* (revision of ANSI/NFPA 497-1997) – October 21, 2003.
 - NFPA 499-200x, *Recommended Practice for the Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas* (revision of ANSI/NFPA 499-1991 (R1997)) – October 21, 2003.
 - NFPA 551-200x, *Guide for the Evaluation of Fire Risk Assessments* (new standard) – October 21, 2003.
 - NFPA 921-200x, *Guide for Fire and Explosion Investigations* (revision of ANSI/NFPA 921-2001) – October 21, 2003.
 - NFPA 1975-200x, *Station/Work Uniforms for Fire and Emergency Services* (revision of ANSI/NFPA 1975-1999) – October 21, 2003.
 - NFPA 2001-200x, *Clean Agent Fire Extinguishing Systems* (revision of ANSI/NFPA 2001-2000) – October 21, 2003.
 - NSF 53-200x (i35), *Drinking Water Treatment Units - Health Effects* (revision of ANSI/NSF 53-2002a) – September 21, 2003.
 - UL 193-200x, *Standard for Safety for Alarm Valves for Fire-Protection Services* (revision of ANSI/UL 193-1996) – September 15, 2003.
 - UL 312-200x, *Standard for Safety for Check Valves for Fire Protection Service* (revision of ANSI/UL 312-1996) – September 15, 2003.
 - UL 508-200x, *Standard for Safety for Industrial Control Equipment* (revision of ANSI/UL 508-2002) – October 6, 2003.
 - UL 789-200x, *Indicator Posts for Fire-Protective Services* (revision of ANSI/UL 789-1993) – September 15, 2003.
 - UL 1486-200x, *Standard for Safety for Quick Opening Devices for Dry Pipe Valves for Fire Protection Service* (revision of ANSI/UL 1486-1995) – September 15, 2003.
 - UL 1569-200x, *Standard for Safety for Metal-Clad Cables* (revision of ANSI/UL 1569-2003) – September 15, 2003.
 - UL 1769-200x, *Cylinder Valves* (new standard) – October 6, 2003.
 - UL 2196-200x, *Standard for Tests for Fire Resistive Cables* (new standard) – September 22, 2003.
- The following American National Standards have been approved for publication.** Publication status and ordering information may be obtained from ANSI's Customer Service at 212-642-4900. (Publication is to take place within six months following the date shown.)
- ANSI Z89.1-2003, *Industrial Head Protection* (revision of ANSI Z89.1-1997) – July 23, 2003.
 - ANSI Z244.1-2003, *Control of Hazardous Energy – Lockout/Tagout and Alternative Methods* (revision of ANSI Z244.1-1982 (R1993)) – July 29, 2003.
 - ANSI/API RP 1162-2003, *Public Awareness Programs for Pipeline Operators* (new standard) – August 6, 2003.
 - ANSI/AWS C5.10/C5.10M-2003, *Recommended Practices for Shielding Gases for Welding and Cutting* (revision of ANSI/AWS C5.10/C5.10M-1994) – July 29, 2003.
 - ANSI/IEEE 1159.3-2003, *Recommended Practice for the Transfer of Power Quality Data* (new standard) – August 8, 2003.
 - ANSI/IEEE 1613-2003, *Standard Environmental and Testing Requirements for Communications Networking Devices in Electric Power Substations* (new standard) – July 29, 2003.
 - ANSI/NFPA 20-2003, *Standard for the Installation of Stationary Pumps for Fire Protection* (revision of ANSI/NFPA 20-1999) – August 7, 2003.

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- ANSI/NFPA 30-2003, *Flammable and Combustible Liquids Code* (revision of ANSI/NFPA 30-2000) – August 7, 2003.
- ANSI/NFPA 51B-2003, *Standard for Fire Prevention during Welding, Cutting, and Other Hot Work* (revision of ANSI/NFPA 51B-1998) – August 7, 2003.
- ANSI/NFPA 115-2003, *Recommended Practice on Laser Fire Protection* (revision of ANSI/NFPA 115-1999) – August 7, 2003.
- ANSI/NFPA 252-2003, *Standard Methods of Fire Tests of Door Assemblies* (revision of ANSI/NFPA 252-1999) – August 7, 2003.
- ANSI/NFPA 256-2003, *Standard Methods of Fire Tests of Roof Coverings* (revision of ANSI/NFPA 256-1998) – August 7, 2003.
- ANSI/NFPA 306-2003, *Standard for the Control of Gas Hazards on Vessels* (revision of ANSI/NFPA 306-2001) – August 7, 2003.
- ANSI/NFPA 1021-2003, *Standard for Fire Officer Professional Qualifications* (revision of ANSI/NFPA 1021-1997) – August 8, 2003.
- ANSI/NFPA 1031-2003, *Standard for Professional Qualifications for Fire Inspector and Plan Examiner* (revision of ANSI/NFPA 1031-1998) – August 7, 2003.
- ANSI/NFPA 1033-2003, *Standard for Professional Qualifications for Fire Investigator* (revision of ANSI/NFPA 1033-1998) – August 7, 2003.
- ANSI/UL 412-2003, *Standard for Safety for Refrigeration Unit Coolers* (revision of ANSI/UL 412-2001) – July 29, 2003.
- ANSI/UL 508C-2003, *Safety for Power Conversion Equipment* (revision of ANSI/UL 508C-2002) – July 14, 2003.
- ANSI/UL 864-2003, *Control Units and Accessories for Fire Alarm Systems* (new standard) – July 28, 2003.
- ANSI/UL 943-2003, *Ground-Fault Circuit Interrupters* (revision of ANSI/UL 943-2002) – July 17, 2003.
- ANSI/UL 1008-2003, *Standard for Safety for Transfer Switch Equipment* (revision of ANSI/UL 1008-1998) – July 31, 2003.

The following international standards are currently in coordination (comment due dates follow each entry):

- ISO/DIS 21747, *Process performance and capability statistics* – November 13, 2003.
- ISO/DIS 16860, *Hydraulic fluid power – Filters – Method of test for differential pressure devices* – November 9, 2003.

The following newly published international standards are available:

- IEC 60974-3 Ed. 1.0 b:2003, *Arc welding equipment – Part 3: Arc striking and stabilizing devices*.
- IEC 61468 Amd.1 Ed. 1.0 b:2003, *Amendment 1 – Nuclear power plants – In-core instrumentation – Characteristics and test methods of self-powered neutron detectors*.
- IEC 62103 Ed. 1.0 b:2003, *Electronic equipment for use in power installations*.
- IEC/TS 62091 Ed. 1.0 b:2003, *Low-voltage switchgear and control gear – Controllers for drivers of stationary fire pumps*.
- ISO 10006:2003, *Quality management systems – Guidelines for quality management in projects*.
- ISO 17638:2003, *Non-destructive testing of welds – Magnetic particle testing*.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Society of Mechanical Engineers (ASME)

Office: Three Park Avenue, 20th Floor
New York, NY 10016

Contact: Silvana Rodriguez-Bhatti

Fax: 212-591-8501

E-mail: rodriguezs@asme.org

- ASME PTC 29-200x, *Speed Governing Systems for Hydraulic Turbine Generators Units* (revision of ANSI/ASME PTC 29-1980 (R1985)).

American Welding Society (AWS)

Office: 550 N.W. LeJeune Road
Miami, FL 33126

Contact: Leonard Connor

Fax: 305-443-5951

E-mail: iconnor@aws.org; roneill@aws.org

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- AWS A3.0-200x, *Standard Welding Terms and Definitions, Including Terms for Adhesive Bonding, Brazing, Soldering, Thermal Spraying, and Thermal Cutting* (revision of ANSI/AWS A3.0-2001).
- AWS B1.10-200x, *Guide for the Nondestructive Inspection of Welds* (revision of ANSI/AWS B1.10-1999).
- AWS B1.11-200x, *Guide for the Visual Examination of Welds* (revision of ANSI/AWS B1.11-2000).

ASTM International (ASTM)

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428-2959

Contact: Faith Lanzetta

Fax: 610-832-9666

E-mail: Flanzett@astm.org

- ASTM WK2041-200x, *Test Method for the Evaluation of Materials with Low Combustibility* (new standard).

Institute of Electrical and Electronics Engineers (IEEE)

Office: 445 Hoes Lane, P.O. Box 1331
Piscataway, NJ 08855-1331

Contact: Catherine Berger

E-mail: c.berger@ieee.org

- IEEE 16085-200x, *Software Engineering – Software Life Cycle Processes – Risk Management* (revision and redesignation of ANSI/IEEE 1520-2001).

Underwriters Laboratories, Inc. (UL)

Office: 12 Laboratory Drive
Research Triangle Park, NC 27709

Contact: Tori Burnett

Fax: 919-316-5629

E-mail: Victoria.Burnett@us.ul.com

- UL 1978-200x, *Standard for Safety for Grease Ducts* (new standard).
- UL 2221-200x, *Tests of Fire Resistive Grease Duct Enclosure Assemblies* (new standard).

ASTM International

Standards activities of ASTM International (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization*

News may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691, fax 610-832-9667. ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585, fax 610-832-9555. Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672, fax 610-832-9666. Additional information on ASTM activities is available on the ASTM Web site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination (the due date for all items is September 10, 2003):

- E 473-00, *Terminology Relating to Thermal Analysis* – revised standard.
- E 831-00, *Test Method for Linear Thermal Expansion of Solid Materials by Thermomechanical Analysis* – revised standard.
- F 914-98 (Includes Change to Title), *Test Method for Acoustic Emission for Insulated Aerial Personnel Devices* – revised standard.

The following newly published standards are available from ASTM:

- B 826-97, *Test Method for Monitoring Atmospheric Corrosion Tests by Electrical Resistance Probes* – revised standard.
- C 781-02, *Practice for Testing Graphite and Boronated Graphite Components for High-Temperature Gas-Cooled Nuclear Reactors* – revised standard.
- D 4844-03, *Guide for Air Monitoring at Waste Management Facilities for Worker Protection* – revised standard.
- D 6113-03, *Test Method for Using a Cone Calorimeter to Determine Fire-Test-Response Characteristics of Insulating Materials Contained in Electrical or Optical Fiber Cables* – revised standard.
- E 84-03, *Test Method for Surface Burning Characteristics of Building Materials* – revised standard.
- F 903-03, *Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Liquids* – revised standard.

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-53, Manager, DOE Technical Standards Program Office (TSPO), Phone 301-903-2856, Fax 301-903-6172, Richard.Serbu@eh.doe.gov.

Addresses: *Standards Actions* and *The Standards Forum* are electronic newsletters available on the TSP Web Site (<http://tis.eh.doe.gov/techstds/>). To update your mailing and e-mail addresses, please contact Debbie Queener, ORNL, Phone 865-574-0398, Fax 865-574-8481, queenerds@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 865-574-0398, queenerds@ornl.gov.